

**APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER  
OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE  
STATE OF NEVADA HERETOFORE APPROPRIATED**

Date of filing in State Engineer's Office DEC. 01 1987

Returned to applicant for correction.....

Corrected application filed..... Map filed DEC. 01 1987 under 51592

The applicant Brady Hot Springs Geothermal Associates

1755 East Plumb Lane, Suite 256A of Reno  
Street and No. or P.O. Box No. City or Town

Nevada 89502 hereby make application for permission to change the  
State and Zip Code No.

Point of Diversion and Place of Use  
Point of diversion, manner of use, and/or place of use

of water heretofore appropriated under Permit 49943  
(Identify existing right by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and

identify right in Decree.)

1. The source of water is Underground  
Name of stream, lake, underground spring or other source.

2. The amount of water to be changed 3.41 CFS (see remarks)  
Second feet, acre feet. One second foot equals 448.83 gallons per minute.

3. The water to be used for Industrial and Domestic  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.

4. The water heretofore permitted for Industrial and Domestic  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.

5. The water is to be diverted at the following point within the NW1/4 NE1/4 Section 12, T.22N.,  
Describe as being within a 40-acre subdivision of public survey and by course and  
R.26E., M.D.M. or at a point from which the North 1/4 corner of said Section 12  
distance to a section corner. If on unsurveyed land, it should be stated.  
bears N.75°03'07"W. a distance of 465.73 Feet (well 51-12P).

6. The existing permitted point of diversion is located within the SW1/4 SE1/4 Section 1, T.22N.,  
If point of diversion is not changed, do not answer.  
R.26E., M.D.M. or at a point from which the Southwest corner of said Section 1  
bears S.89°11'50"W., a distance of 3834.98 feet (well MGI-4).

7. Proposed place of use Section 12, T.22N., R.26E., M.D.M.: N1/2 NE1/4. Section 1,  
Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.  
T.22N., R.26E., M.D.M.: S1/2 SE1/4.

8. Existing place of use Section 12, T.22N., R.26E., M.D.M.: SW1/4 NW1/4  
Describe by legal subdivisions. If permit is for irrigation, state number of acres irrigated. If changing place of use and/or  
manner of use of irrigation permit, describe acreage to be removed from irrigation.

9. Use will be from January 1 to December 31 of each year.  
Month and Day Month and Day

10. Use was permitted from January 1 to December 31 of each year.  
Month and Day Month and Day

11. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and  
specifications of your diversion or storage works.) Geothermal well and piping (see plans filed  
State manner in which water is to be diverted, i.e. diversion structure, ditches,  
with Applications 51160 and 51161).  
pipes and flumes, or drilled well, etc.

12. Estimated cost of works \$250,000

13. Estimated time required to construct works two years

14. Estimated time required to complete the application of water to beneficial use five years
15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

This application is made to provide production and cooling water for a geothermal power plant and associated uses. Water from this well will be comingled with other geothermal wells. The estimated withdrawal from this well is 1529 gallons per minute (per State Engineers ruling dated October 22, 1987). The estimated consumptive use is estimated to be 20% or approximately 306 gallons per minute, 24 hours per day 7 days per week throughout the year.

By s/ Thomas A. Foote  
160 Hubbard Way, Reno, NV 89502

Compared bk/ pm am/se

Protested \_\_\_\_\_

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit to change the point of diversion and place of use of the geothermal fluid heretofore granted under Permit 49943 is issued subject to the terms and conditions imposed in said Permit 49943 and with the understanding that no other rights on the source will be affected by the change proposed herein.

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used (CONTINUED ON PAGE 2)

The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed 3.41 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before December 23, 1992

Proof of completion of work shall be filed before January 23, 1993

Application of water to beneficial use shall be made on or before December 23, 1993


Proof of the application of water to beneficial use shall be filed on or before January 23, 1994

Map in support of proof of beneficial use shall be filed on or before N/A

Completion of work filed \_\_\_\_\_ IN TESTIMONY WHEREOF, I R. MICHAEL TURNIPSEED, P.E.  
 State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed \_\_\_\_\_ my office, this 5th day of April

Cultural map filed \_\_\_\_\_ A.D. 19 91

Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_  
 2407 (Rev. 6-81) State Engineer

Abrogated By 57785 T 0.167 exp 4-23-93

Abrogated By 57245 3.41 cfs cert 3/30/99

## (PERMIT TERMS CONTINUED)

geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 2466.3 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 20% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This permit is further subject to the terms and conditions set forth in the State Engineer's ruling dated October 22, 1987.